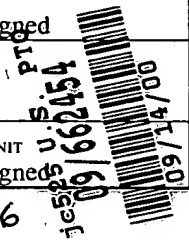


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Attach To Paper #1 Sheet 1 of 4

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  <b>INFORMATION DISCLOSURE CITATION</b>  (Use several sheets if necessary)	ATTY. DOCKET NO. 2026-4276US1	SERIAL NO. To be assigned
	APPLICANT Yanagi et al	
	FILING DATE September 14, 2000	GROUP ART UNIT To be assigned



Au. 1636

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA2	5,679,342	10/21/97	Houghton et al	424	93.21	7/27/93

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
AA2	WO 98/39031	9/11/98	PCT				
AA2	WO 97/08310	3/6/97	PCT				
AA2	0 516 270 A2	12/2/92	EPO				

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Papers, Etc.)

AA2	1	Yanagi et al, "Transcripts of a Chimeric cDNA Clone of Hepatitis C Virus Genotype 1b Are Infectious <i>in Vivo</i> ", <i>Virology</i> , Vol. 244, No. 1, April 25, 1998, pp. 161-172.
AA2	2	Dash et al, "Transfection of HepG2 Cells with Infectious Hepatitis C Virus Genome", <i>American Journal of Pathology</i> , Vol. 151, No. 2, August 1997, pp. 363-373.
AA2	3	Fausto, "Replication of Hepatitis C Virus in Tissue Culture: A Potential Breakthrough in Need of Confirmation", <i>American Journal of Pathology</i> , Vol. 151, No. 2, August 1997, p. 361.
AA2	4	Kolykhalov et al, "Transmission of Hepatitis C by Intrahepatic Inoculation with Transcribed RNA", <i>Science</i> , Vol. 277, No. 5325, July 1997, pp. 570-574.

EXAMINER <i>Ronald A. Heppner</i>	DATE CONSIDERED 4-7-02
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 2026-4276US1		SERIAL NO. <u>09/662,454</u> <del>To be assigned</del>	
<b>INFORMATION DISCLOSURE CITATION</b>  (Use several sheets if necessary)				APPLICANT Yanagi et al		GROUP ART UNIT <del>To be assigned</del> <u>1636</u>	
				FILING DATE September 14, 2000			
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<b>FOREIGN PATENT DOCUMENTS</b>							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES      NO
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.)</b>							
<u>AA2</u>	5		Yanagi et al, "Transcripts from a single full-length cDNA clone of hepatitis C virus are infectious when directly transfected into the liver of a chimpanzee", <u>Proc. Natl. Acad. Sci. USA</u> , Vol. 94, August 1997, pp. 8738-8743.				
<u>AA2</u>	6		Yoo et al, "Transfection of a Differentiated Human Hepatoma Cell Line (Huh7) with In Vitro-Transcribed Hepatitis C Virus (HCV) RNA and Establishment of a Long-Term Culture Persistently Infected with HCV", <u>Journal of Virology</u> , Vol. 69, No. 1, January 1995, pp. 32-38.				
<u>AA2</u>	7		Farci et al, "Prevention of Hepatitis C virus infection in chimpanzees by hyperimmune serum against the hypervariable region 1 of the envelope 2 protein", <u>Proc. Natl. Sci. USA</u> , Vol. 93, December 1996, pp. 15394-15399. ✓				
<u>AA2</u>	8		Inchauspe et al, "Genomic structure of the human prototype strain H of hepatitis C virus: Comparison with American and Japanese isolates", <u>Proc. Natl. Sci. USA</u> , Vol. 88, No. 22, November 1991, pp. 10292-10296. ✓				
EXAMINER <u>Donald D. Huffer Jr.</u>				DATE CONSIDERED <u>4-7-02</u>			
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FORM PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 2026-4276US1		SERIAL NO. <u>09/662,454</u> <del>To be assigned</del>	
<b>INFORMATION DISCLOSURE CITATION</b>  (Use several sheets if necessary)				APPLICANT <b>Yanagi et al</b>		GROUP ART UNIT <del>To be assigned</del> <u>1636</u>	
<b>U.S. PATENT DOCUMENTS</b>							
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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES      NO
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.)</b>							
<u>AAA</u>	9		Kolykhalov et al, "Identification of a Highly Conserved Sequence Element at the 3' Terminus of Hepatitis C Virus Genome RNA", <u>Journal of Virology</u> , Vol. 70, No. 6, June 1996, pp. 3363-3371.				
<u>AAA</u>	10		Ogata et al, "Nucleotide sequence and mutation rate of the H strain of hepatitis C virus", <u>Proc. Natl. Acad. Sci. USA</u> , Vol. 88, April 1991, pp. 3392-3396.				
<u>AAA</u>	11		Okamoto et al, "Genetic Drift of Hepatitis C Virus during an 8.2-Year Infection in a Chimpanzee: Variability and Stability", <u>Virology</u> , Vol. 190, 1992, pp. 894-899.				
<u>AAA</u>	12		Honda et al, "Structural Requirements for Initiation of Translation by Internal Ribosome Entry within Genome-Length Hepatitis C Virus RNA", <u>Virology</u> , Vol. 222, 1996, pp. 31-42.				
EXAMINER <u>Arnold A. Lippert</u>				DATE CONSIDERED <u>4-7-02</u>			
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

FORM PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 2026-4276		SERIAL NO. <u>09/662,454</u> <del>To be assigned</del>	
<b>INFORMATION DISCLOSURE CITATION</b>  (Use several sheets if necessary)				APPLICANT Yanagi et al			
				FILING DATE September 14, 2000		GROUP ART UNIT <del>To be assigned</del> <u>1636</u>	
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<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.)</b>							
<u>DD2</u>		17	Kolykhalov et al, "Hepatitis C Virus-Encoded Enzymatic Activities and Conserved RNA Elements in the 3' Nontranslated Region Are Essential for Virus Replication In Vivo", <u>Journal of Virology</u> , Vol. 74, No. 4, February 2000, pp. 2046-2051.				
EXAMINER <u><i>Gerald D. Luff, Jr.</i></u>				DATE CONSIDERED <u>4-7-02</u>			
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							